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<p>(21) International Application Number: PCT/US00/11372</p> <p>(22) International Filing Date: 27 April 2000 (27.04.00)</p> <p>(30) Priority Data: 09/300,959 27 April 1999 (27.04.99) US</p> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/300,959 (CIP) Filed on 27 April 1999 (27.04.99)</p> <p>(71)(72) Applicant and Inventor: ZANETTI, Maurizio [IT/US]; 6112 La Jolla Hermosa Avenue, La Jolla, CA 92037 (US).</p> <p>(74) Agents: CADENA, Deborah, L. et al.; Campbell & Flores LLP, 7th Floor, 4370 La Jolla Village Drive, San Diego, CA 92122 (US).</p>		<p>(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published <i>Without international search report and to be republished upon receipt of that report.</i></p>
<p>(54) Title: SOMATIC TRANSGENE IMMUNIZATION AND RELATED METHODS</p>		
<p>(57) Abstract</p> <p>The invention provides a method for stimulating an immune response by administering to a lymphoid cells either in a lymphoid organ or <i>ex vivo</i>, a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding one or more heterologous epitopes. The heterologous epitope can be inserted into a complementarity-determining region of an immunoglobulin molecule. The invention also provides a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding a heterologous polypeptide. The invention additionally provides a method of treating a condition by administering a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding a heterologous polypeptide, wherein the nucleic acid molecule is targeted to a hematopoietic cell.</p>		